



U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 890050.449	APPLICATION NO. 10/717,831
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANTS Hironori Kakiuchi et al.	
		FILING DATE November 20, 2003	GROUP ART UNIT 1756

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
W	AA 3,959,799	05/25/76	Gambino et al.	346	135	
W	AB 4,357,616	11/02/82	Terao et al.	346	135.1	
W	AC 4,405,706	09/20/83	Takahashi et al.	430	271	
W	AD 4,477,819	10/16/84	Lee et al.	346	76 L	
W	AE 4,500,889	02/18/85	Wada et al.	346	1.1	
W	AF 4,529,991	07/16/85	Wada et al.	346	76 L	
W	AG 4,587,533	05/06/86	Nakane et al.	346	135.1	
W	AH 4,609,611	09/02/86	Sigyo et al.	430	270	
W	AI 4,647,947	03/05/87	Takeoka et al.	346	135.1	
W	AJ 4,670,345	06/02/87	Morimoto et al.	428	411.1	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
W	AK 1330368 A	01/09/02	China (with English abstract)	
W	AL 1365108 A	08/21/02	China (with English abstract)	
W	AM 0350078 A1	01/10/90	EP	
W	AN 0474311 A1	03/11/92	EP	
W	AO 0822543 A1	02/04/98	EP	
W	AP 0947351 B1	09/26/02	EP	
W	AQ 0978831 A2	02/09/00	EP	
W	AR 1028421 A2	08/16/00	EP	
W	AS 1139340 B1	06/16/04	EP	

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.)

W	AT	Inoue, H., et al., "Inorganic Write-Once Disc for High Speed Recording," Jpn. J. Appl. Phys. Vol. 42, part 1, no. 2B, pp. 1059-1061, February 2003.
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EXAMINER	<i>W</i>	DATE CONSIDERED
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W	BA 4,682,321	07/21/87	Takaoka et al.	369	284	
W	BB 4,771,413	09/15/88	Nago	369	109	
W	BC 4,772,897	09/20/88	Ohkawa	346	135.1	
W	BD 5,194,363	03/16/93	Yoshioka et al.	430	271	
W	BE 5,208,088	05/04/93	Tominaga et al.	428	64	
W	BF 5,297,132	03/22/94	Takano et al.	369	284	
W	BG 5,325,351	06/28/94	Uchiyama et al.	369	275.1	
W	BH 5,328,813	07/12/94	Strandjord et al.	430	321	
W	BI 5,401,330	03/28/95	Saito et al.	136	259	
W	BJ 5,414,451	05/09/95	Sugiyama et al.	347	258	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
W	1154413 A2	11/14/01	EP	
W	1215669 A2	06/19/02	EP	
W	1351230 A2	10/08/03	EP	
W	2336463	10/20/99	GB	
W	48-16 000030	01/09/73	JP	
W	03-005929	01/11/91	JP (with English abstract)	
W	03-258590	11/18/91	JP (with English abstract)	
W	05-159358	06/28/93	JP (with English abstract)	

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.)

W	BS	Narumi, K. et al., "45 GB Rewritable Dual-Layer Phase-Change Optical Disk with a Transmittance Balanced Structure," Technical Digest, International Symposium on Optical Memory 2001, Grand Hotel, Taipei, Taiwan, October 16-19, 2001, pages 202-203.
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
W	CA 5,458,941	10/11/95	Hintz	428	64.4	
V	CB 5,459,018	10/17/95	Akahira	430	270	
W	CC 5,560,998	10/01/96	Oyamatsu et al.	428	694 ML	
W	CD 5,656,370	08/02/97	Murakami et al.	428	332	
W	CE 5,818,808	10/06/98	Takada et al.	369	116	
W	CF 5,871,881	02/16/99	Nishida et al.	430	270.11	
W	CG 5,912,104	06/15/99	Hirotsuma et al.	430	270.13	
W	CH 5,948,496	09/07/99	Kinoshita et al.	428	64.1	
W	CI 5,949,747	09/07/99	Miyashita et al.	369	54	
W	CI 5,958,649	09/28/99	Hirotsuma et al.	430	270.13	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
W	CK 05-342631	12/24/93	JP (with English abstract)		
W	CL 05-342635	12/24/93	JP (with English abstract)		
W	CM 10-076755	03/24/98	JP (with English abstract)		
W	CN 1-270528	10/21/89	JP (with English abstract)		
W	CO 2000-187884	07/04/00	JP (with English abstract)		
W	CP 2000-222764	08/14/00	JP (with English abstract)		
W	CQ 2000-285509	10/12/00	JP (with English abstract)		
W	CR 2000-297365	10/24/00	JP (with English abstract)		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

W	CS	Nikkei Electronics, May 12, 2003, pp. 119-133. (in Japanese)
EXAMINER	<i>W</i>	DATE CONSIDERED 8/21/02

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DA	6,033,752	03/07/00	Suzuki et al.	428	64.1	
DB	6,096,399	08/01/00	Yoshinari et al.	428	64.1	
DC	6,111,851	08/26/00	Ohki et al.	369	286	
DD	6,143,469	11/07/00	Ohta et al.	430	270.13	
DE	6,210,860	04/05/01	Fukano et al.	430	270.12	
DF	6,231,945	05/16/01	Miyamoto et al.	428	64.1	
DG	6,245,404	06/12/01	Saito et al.	428	64.1	
DH	6,254,966	07/03/01	Kondo	428	156	
DI	6,266,299	07/24/01	Oshima et al.	369	13	
DJ	6,278,680	08/21/01	Miyauchi et al.	369	112.01	
DK	6,333,913	12/25/01	Yoshinari et al.	369	283	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
				YES NO
DL	2001-101709	04/13/01	JP (with English abstract)	
DM	2001-222819	08/11/01	JP (with English abstract)	
DN	2001-266402	09/26/01	JP (with English abstract)	
DO	2001-322357	11/20/01	JP (with English abstract)	
DP	2002-120458	04/29/02	JP (with English abstract)	
DQ	2002-269808	09/20/02	JP (with English abstract)	
DR	2002-329348	11/15/02	JP (with English abstract)	
DS	2003-105738	04/09/03	JP (with English abstract)	
DT	2003-178448	06/27/03	JP (with English abstract)	

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DU	
EXAMINER	<i>W. H. K.</i>
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
EE	6,355,326	03/22/02	Lee et al.	428	64.1	
EB	6,404,712	06/11/02	Lee et al.	369	47.53	
EC	6,404,713	06/11/02	Ueki	369	47.53	
ED	6,416,837	07/09/02	Kojima et al.	428	64.1	
EE	6,528,138	03/04/03	Meinders et al.	428	64.1	
EF	6,551,679	04/22/03	Kuroda et al.	428	64.1	
EG	6,608,799	08/19/03	Hozumi	369	13.26	
EH	6,611,481	08/26/03	Koishi et al.	369	47.53	
EI	6,636,477	10/21/03	Miyamoto et al.	369	286	
EI	6,656,559	12/02/03	Mizushima et al.	428	64.1	
EK	6,660,451	12/09/03	Sakaue et al.	430	270.13	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
EL	2003-260874	09/16/03	JP (with English abstract)	
EM	2003-326848	11/19/03	JP (with English abstract)	
EN	2003-054135	02/26/03	JP (with English abstract)	
EO	2004-158134	06/03/04	JP (with English abstract)	
EP	2004-039177	02/08/04	JP (with English abstract)	
EQ	2004-087073	03/19/04	JP (with English abstract)	
ER	3-49054	03/01/91	JP (with English abstract)	
ES				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

ET		
EXAMINER	<i>et al.</i>	DATE CONSIDERED <i>8/21/07</i>

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ar	FA 6,670,014	12/30/03	Nishihara et al.	428	64.1	
ar	FB 6,751,184	06/18/04	Kojima et al.	369	275.2	
ar	FC 6,788,635	09/01/04	Aratani et al.	369	100	
ar	FD 6,791,926	09/14/04	Purumiya et al.	369	53.13	
ar	FE 6,805,935	10/19/04	Ashida et al.	428	64.1	
ar	FF 6,807,142	10/19/04	Nagata et al.	369	275.2	
ar	FO 6,841,218	01/11/05	Hosoda et al.	428	64.1	
ar	FH 6,929,840	08/16/05	Hosoda et al.	428	64.1	
ar	FI 6,982,111	01/03/06	Mizushima et al.	428	64.1	
ar	FJ 6,996,055	02/01/06	Mishima et al.	369	283	
ar	FK 7,002,887	02/21/06	Kakiuchi et al.	369	59.12	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
ar	FL 4-298389	10/22/92	JP (with English abstract)		
ar	FM 54-133134	10/16/79	JP (with English abstract)		
ar	FN 56-124134	09/29/81	JP (with English abstract)		
ar	FO 57-027788	02/18/82	JP (with English abstract)		
ar	FP 59-225992	12/19/84	JP (with English abstract)		
ar	FQ 60-160036	08/21/85	JP (with English abstract)		
ar	FR 60-219097	11/07/85	JP (with English abstract)		
ar	FS 6-171236	06/21/94	JP (with English abstract)		

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FT		
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MR	GA 7,018,694	03/28/06	Hosoda et al.	428	64.1	
MR	GB 7,142,496	11/26/06	Miyagawa et al.	369	59.11	
MR	QC 7,167,431	01/22/07	Miura et al.	369	59.11	
MR	GD 2001/0012257	08/09/01	Suzuki et al.	369	94	
MR	GE 2001/0017833	08/30/01	Yamada et al.	369	59.11	
MR	GF 2001/0041304	11/15/01	Uno et al.	430	270.13	
MR	GG 2001/0044073	11/26/01	Fukano et al.	430	270.12	
MR	CH 2002/0060979	05/23/02	Tsukuda et al.	369	275.4	
MR	GI 2002/0076646	06/26/02	Zhou et al.	430	270.13	
MR	GI 2002/0110063	08/15/02	Yamada et al.	369	47.39	
MR	GK 2002/0160306	10/31/02	Hanaoka et al.	430	270.13	
MR	GL 2003/0086359	05/08/03	Lee et al.	369	275.3	
MR	GM 2003/0134229	07/17/03	Yasuda et al.	430	270.13	
MR	GN 2003/0165111	09/04/03	Flynn	369	288	
MR	GO 2003/0224215	12/04/03	Kondo et al.	428	694 ML	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
MR	GP 62-204442	09/09/87	JP (with English abstract)		
MR	GQ 62-226440	10/05/87	JP (with English abstract)		
MR	GR 62-226442	10/05/87	JP (with English abstract)		
MR	GS 62-245545	10/26/87	JP (with English abstract)		

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GT			DATE CONSIDERED	8/21/07
EXAMINER	<i>MR</i>			
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HR	2003/0228539	12/11/03	Hosoda et al.	430	270.13	
HR	2004/0001418	01/01/04	Shinotsuka et al.	369	111	
HR	2004/0013069	01/22/04	Uno et al.	369	59.11	
HR	2004/0018334	01/29/04	Nee	428	64.1	
HR	2004/0027652	02/12/04	Erdogan et al.	359	359	
HR	2004/0052176	03/18/04	Narumi et al.	369	47.39	
HR	2004/0241581	12/02/04	Kakiuchi et al.	430	270.12	
HR	2005/0018590	01/21/05	Inoue et al.	369	275.2	
HR	2005/0018591	01/27/05	Inoue et al.	369	275.2	
HR	2005/0018592	01/21/05	Inoue et al.	369	275.2	

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HR	6-262854	09/20/94	JP (with English abstract)	
HL	7-235465	09/05/95	JP (with English abstract)	
HM	9-007176	01/10/97	JP (with English abstract)	
HN	01/93256 A1	12/06/01	WO (with English abstract)	
HO	02/29787	04/11/02	WO (with English abstract)	
HP	03/025924	03/27/03	WO (with English abstract)	
HQ	1122723 A1	08/08/01	EP	
HR	10-143919	05/29/98	JP (with English abstract)	
HS				

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HT		
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W	IA	2005/0047301	03/03/05	Inoue et al.	369	94	
W	IB	2005/0047302	03/03/05	Inoue et al.	369	94	
W	IC	2005/0047303	03/03/05	Inoue et al.	369	94	
W	ID	2005/0047304	03/03/05	Inoue et al.	369	94	
W	IE	2005/0047305	03/03/05	Inoue et al.	369	94	
W	IF	2005/0047306	03/03/05	Inoue et al.	369	94	
W	IG	2005/0048249	03/03/05	Inoue et al.	428	64,4	
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	IP					
	IQ					
	IR					

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IS			DATE CONSIDERED	8/2/07
EXAMINER	<i>W</i>			

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